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Paul Baker <paulbaker@utah.gov>

April

Incoming

Mon, I

## Tar Sands Holdings II -- Site Cleanup Completed

1 message

Schulman, Jon <jon.schulman@stantec.com>

To: April Abate <aprilabate@utah.gov>, Paul Baker <paulbaker@utah.gov>

Cc: Denise Dragoo <ddragoo@swlaw.com>, "Matthews, Linda" <linda.matthews@stantec.com>

Hi Paul and April

Attached and below is a letter to Denise Dragoo reporting that the Asphalt Ridge Mine site has been cleaned up. We do not as yet have final documentation but expect you in the coming weeks. Please let me know if you have any questions.

Thank you,

Jon

**Jon Schulman, MS Environmental Engineering**

NEPA/Hydrology

Stantec

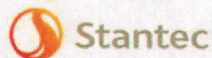
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December 22, 2014

**Stantec Consulting Services Inc.**

8160 South Highland Drive Suite A4, Sandy UT 84093-7402

Denise Dragoo

Snell & Wilmer L.L.P.

15 West South Temple, Suite 1200 Salt Lake City, Utah 84101

**Re: Tar Sands Holdings II Cleanup for Asphalt Ridge Mine Completed**

Dear Denise:

Per our email correspondence I wanted to bring you up to date on the cleanup of the Asphalt Ridge Mine "bone yard." We also believe it would be beneficial to share at DOGM to ensure that they are aware that the cleanup is complete and that a more comprehensive report is forthcoming.

The containers at the site were characterized by Enviro Care some time ago. A large number of containers hold product (bitumen) from site-processed tar sands. Those containers were moved to asphalt pads at the site that were originally designed to hold either tailings or feeds for a pilot test in 2012 (Figures 1 and 2). Woody Campbell of DWQ inspected the bitumen containers on a bermed tarp on the asphalt pads would be protective of groundwater, especially considering that the bitumen is a solid (or highly viscous) at the temperature range in the Vernal area. This approach will keep the product available for the owner of the property and out of the landfill.

The contents of the remaining containers were either recycled by Emerald Services or disposed by Enviro Care. We are expecting documentation from Emerald Services that the containers were recycled and the containers themselves disposed. Manifests are also forthcoming showing that the containers disposed by Enviro Care were appropriately cleaned and landfilled.

Following removal of all containers from the "boneyard" site, Enviro Care removed all stained soils. Enviro Care confirmed this using a PID. Confirmation soil samples



and the results are expected in early January (Figures 3 and 4).

*for HHH*

Please let us know if you have any questions or concerns. Sincerely,

Jon Schulman Project Manager  
Stantec Consulting Services Inc.

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Figure 1 Bitumen containers on white tarp with berms

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Figure 2 Bitumen in containers on white tarp with berms

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**Figure 3 Bone yard with containers and stained soils removed**

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**Figure 4 Bone yard with containers and stained soils removed**

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